

AMENDMENTS TO THE CLAIMS

1. (Original) An induction heating system for heating metal products, in particular metal strips, using a longitudinal magnetic flux, characterized in that the inductor (6) includes, inside it, two magnetic field deflectors (7, 7'), the shape and arrangement of which are selected such that they mask the inductor coils at the edges (2) of the strip (1).
2. (Original) The heating system as claimed in claim 1, characterized in that the deflectors (7, 7') are U-shaped, with the branches covering the edges (2) of the strip to be heated.
3. (Currently Amended) The heating system as claimed in ~~either of claims 1 and 2~~claim 1, characterized in that the deflectors (7, 7') are positioned along all or part of the length of the inductor (6).
4. (Currently Amended) The heating system as claimed in ~~either of claims 1 and 2~~claim 1, characterized in that the U-shaped screens located inside the inductor have ends which are shaped so as to increase their effectiveness.